

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| L1    | 4     | "6255180"  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/28<br>18:22 |
| L2    | 11425 | ((257/59) or (257/72) or<br>(257/351) or (257/355) or<br>(257/356) or (257/390) or<br>(257/391) or (257/392) or<br>(257/393) or (257/394) or<br>(257/395) or (257/406)).<br>CCLS.  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/28<br>18:54 |
| L3    | 33    | L2 and gate adj insulat\$3.<br>clm. and "high" adj2<br>voltage.clm. and "low"<br>adj2 voltage.clm.   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | ON      | 2009/02/28<br>18:55 |
| L4    | 6     | ((nec).as. (okumura near1<br>hiroshi).as.) and gate adj<br>insulat\$3.clm. and "high"<br>adj2 voltage.clm. and<br>"low" adj2 voltage.clm.  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/28<br>18:57 |
| L5    | 0     | ((nec).as. (okumura near1<br>hiroshi).as.) and gate adj<br>insulat\$3.clm. and "high"<br>adj2 voltage.clm. and<br>"low" adj2 voltage.clm.<br>and (below underneath)<br>near4 (direct directly<br>immediately vertical<br>vertically) | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/28<br>19:02 |
| S1    | 2     | jp-05335573\$-.did.  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2007/06/27<br>16:09 |
| S2    | 0     | jp-200345892\$-.did.   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2005/03/05<br>16:37 |
| S3    | 2     | jp-2003045892\$-.did.  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2005/03/05<br>16:37 |

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| S4  | 2    | jp-08250742\$-\$did.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05<br>16:37 |
| S5  | 2    | jp-11307777\$-\$did.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05<br>16:37 |
| S6  | 2    | jp-2000353811\$-\$did.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05<br>16:41 |
| S7  | 10   | S1 S2 S3 S4 S5 S6   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/16<br>17:11 |
| S8  | 5    | "773333".ap.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05<br>16:44 |
| S9  | 18   | (tft thin adj film adj transistor) and overlap near6 ("low" "high") near2 voltage   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/05<br>17:05 |
| S10 | 4455 | "low" near2 voltage and "high" near2 voltage and (tft thin adj film adj transistor)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/05<br>17:09 |
| S11 | 80   | "low" near2 voltage near20 gate adj (insulation insulating oxide) and "high" near2 voltage near20 gate adj (insulation insulating oxide) and (tft thin adj film adj transistor) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/05<br>17:10 |
| S12 | 5683 | ((257/59) or (257/72) or (257/351) or (257/355) or (257/356) or (257/390) or (257/391) or (257/392) or (257/393) or (257/394) or (257/395) or (257/406)). OCLS.                 | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/03/05<br>17:39 |

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| S13 | 19  | S12 and gate adj insulat\$3. clm. and "high" adj2 voltage.clm. and "low" adj2 voltage.clm.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/03/05 17:44 |
| S14 | 133 | (257/406).CCLS.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:44 |
| S15 | 42  | (US-20040195568-\$ or US-20040046174-\$ or US-20030025127-\$ or US-20020149056-\$ or US-20020135554-\$ or US-20020042170-\$ or US-20020041350-\$ or US-20020030190-\$ or US-20020024048-\$ or US-20010013912-\$ or US-20010000755-\$ or US-20040026750-\$ or US-20020084490-\$).did. or (US-6856360-\$ or US-6657228-\$ or US-6452211-\$ or US-6426787-\$ or US-6420988-\$ or US-6400434-\$ or US-6384886-\$ or US-6368904-\$ or US-6316787-\$ or US-6303963-\$ or US-6294815-\$ or US-6165824-\$ or US-6163055-\$ or US-6115094-\$ or US-5528056-\$ or US-6597046-\$ or US-5468987-\$).did. or (JP-2003045892-\$ or JP-2000353811-\$ or JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$ or JP-54015678-\$ or JP-02222169-\$).did. or (US-20030025127-\$ or JP-2000353811-\$ or JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$).did. | US-PGPUB; USPAT; JPO; DERWENT               | OR | OFF | 2005/03/05 18:05 |
| S16 | 317 | (257/391).CCLS.   | US-PGPUB; USPAT                             | OR | OFF | 2005/03/05 18:06 |

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| S17 | 46  | (US-20040195568-\$ or US-20040046174-\$ or US-20030025127-\$ or US-20020149056-\$ or US-20020135554-\$ or US-20020042170-\$ or US-20020041350-\$ or US-20020030190-\$ or US-20020024048-\$ or US-20010013912-\$ or US-20010000755-\$ or US-20040026750-\$ or US-20020084490-\$ or US-20020190343-\$ or US-20020117723-\$).did. or (US-6856360-\$ or US-6657228-\$ or US-6452211-\$ or US-6426787-\$ or US-6420988-\$ or US-6400434-\$ or US-6384886-\$ or US-6368904-\$ or US-6316787-\$ or US-6303963-\$ or US-6294815-\$ or US-6165824-\$ or US-6163055-\$ or US-6115094-\$ or US-5528056-\$ or US-6597046-\$ or US-5468987-\$ or US-6541823-\$ or US-5576556-\$).did. or (JP-2003045892-\$ or JP-2000353811-\$ or JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$ or JP-54015678-\$ or JP-02222169-\$).did. or (US-20030025127-\$ or JP-2000353811-\$ or JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$).did. | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | OFF | 2005/03/05<br>18:33 |
| S18 | 5   | S17 and double adj gate   | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | OFF | 2005/03/05<br>18:35 |
| S19 | 2   | S17 and ((additional extra second double) adj gate sub-gate) near5 (withstand break-down breakdown) near2 voltage   | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | OFF | 2005/03/05<br>18:47 |
| S20 | 326 | (257/392).CCLS.   | US-PGPUB;<br>USPAT                  | OR | OFF | 2005/03/05<br>18:57 |
| S21 | 138 | (257/270).CCLS.   | US-PGPUB;<br>USPAT                  | OR | OFF | 2005/03/05<br>18:59 |
| S22 | 264 | (257/346).CCLS.   | US-PGPUB;<br>USPAT                  | OR | OFF | 2005/03/05<br>19:06 |

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| S23 | 159 | (257/387).CCLS.   | US-PGPUB;<br>USPAT                                      | OR  | OFF                 | 2005/08/16<br>12:38 |
| S24 | 5   | "low" near1 voltage<br>near10 (tft thin adj film<br>adj transistor) near10 (self-<br>alignment selfaligned<br>overlap overlapping)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF                 | 2005/03/05<br>19:14 |
| S25 | 82  | (US-20040195568-\$ or US-<br>20040046174-\$ or US-<br>20030025127-\$ or US-<br>20020149056-\$ or US-<br>20020135554-\$ or US-<br>20020042170-\$ or US-<br>20020041350-\$ or US-<br>20020030190-\$ or US-<br>20020024048-\$ or US-<br>20010013912-\$ or US-<br>20010000755-\$ or US-<br>20040026750-\$ or US-<br>20020084490-\$ or US-<br>20020190343-\$ or US-<br>20020117723-\$ or US-<br>20030132500-\$).did. or<br>(US-6856360-\$ or US-<br>6657228-\$ or US-6452211-<br>\$ or US-6426787-\$ or US-<br>6420988-\$ or US-6400434-<br>\$ or US-6384886-\$ or US-<br>6368904-\$ or US-6316787-<br>\$ or US-6303963-\$ or US-<br>6294815-\$ or US-6165824-<br>\$ or US-6163055-\$ or US-<br>6115094-\$ or US-5528056-<br>\$ or US-6597046-\$ or US-<br>5468987-\$ or US-6541823-<br>\$ or US-5576556-\$ or US-<br>6847080-\$ or US-6847088-<br>\$ or US-6853030-\$ or US-<br>6770940-\$ or US-6653694-<br>\$ or US-6646313-\$ or US-<br>6627963-\$).did. or (US-<br>6593191-\$ or US-6586805-<br>\$ or US-6579736-\$ or US-<br>6563182-\$ or US-6559489-<br>\$ or US-6492690-\$ or US-<br>6380590-\$ or US-6333541-<br>\$ or US-6300663-\$ or US-<br>6271572-\$ or US-6267479-<br>\$ or US-6265739-\$ or US-<br>6251732-\$ or US-6198140-<br>\$ or US-6191460-\$ or US-<br>6175138-\$ or US-6166417-<br>\$ or US-6093594-\$ or US-<br>5696400-\$ or US-5654577-<br>\$ or US-4205330-\$ or US-<br>4183040-\$ or US-4104784- | OR  | OFF | 2005/03/05<br>19:19 |                     |

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|     |     | \$ or US-4085498-\$ or US-6157062-\$ or US-6064096-\$ or US-5736750-\$).did. or (US-6469348-\$).did. or (JP-2003045892-\$ or JP-2000353811-\$ or JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$ or JP-54015678-\$ or JP-02222169-\$).did. or (US-20030025127-\$ or JP-2000353811-\$ or JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$).did. |   |    |     |                  |
| S26 | 10  | (JP-05335573-\$ or JP-08250742-\$ or JP-11307777-\$ or JP-2000353811-\$ or JP-2003045892-\$).did. or (JP-05335573-\$ or JP-08250742-\$ or JP-11307777-\$ or JP-2000353811-\$ or US-20030025127-\$).did.   | JPO; DERWENT  | OR | OFF | 2005/03/05 19:43 |
| S27 | 1   | ("6509602").PN.   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05 19:51 |
| S28 | 14  | S25 and (overlap overlapping) near4 (source drain gate)   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05 19:52 |
| S29 | 1   | ikeda.in. and yamazaki.in. and thinner.ab. and gate and pixel and TFT.ab.   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05 20:16 |
| S30 | 465 | (overlap overlapping) near10 (self-alignment self-aligned) and gate   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05 21:34 |
| S31 | 207 | (overlap overlapping) near4 (self-alignment self-aligned) and gate  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/05 21:34 |

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| S32 | 102 | (overlap overlapping)<br>near4 (self-alignment self-aligned) near4 gate  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF                 | 2005/03/05<br>21:35 |
| S33 | 22  | (overlap overlapping)<br>near4 (self-alignment self-aligned) near4 gate and tft  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF                 | 2005/03/05<br>21:35 |
| S34 | 82  | (US-20010000755-\$ or US-20010013912-\$ or US-20020024048-\$ or US-20020030190-\$ or US-20020041350-\$ or US-20020042170-\$ or US-20020084490-\$ or US-20020117723-\$ or US-20020135554-\$ or US-20020149056-\$ or US-20020190343-\$ or US-20030025127-\$ or US-20030132500-\$ or US-20040026750-\$ or US-20040046174-\$ or US-20040195568-\$).did. or (US-4085498-\$ or US-4104784-\$ or US-4183040-\$ or US-4205330-\$ or US-5468987-\$ or US-5528056-\$ or US-5576556-\$ or US-5654577-\$ or US-5696400-\$ or US-5736750-\$ or US-6064096-\$ or US-6093594-\$ or US-6115094-\$ or US-6157062-\$ or US-6163055-\$ or US-6165824-\$ or US-6166417-\$ or US-6175138-\$ or US-6191460-\$ or US-6198140-\$ or US-6251732-\$ or US-6265739-\$ or US-6267479-\$ or US-6271572-\$ or US-6294815-\$ or US-6300663-\$).did. or (US-6303963-\$ or US-6316787-\$ or US-6333541-\$ or US-6368904-\$ or US-6380590-\$ or US-6384886-\$ or US-6400434-\$ or US-6420988-\$ or US-6426787-\$ or US-6452211-\$ or US-6469348-\$ or US-6492690-\$ or US-6541823-\$ or US-6559489-\$ or US-6563182-\$ or US-6579736-\$ or US-6586805-\$ or US-6593191-\$ or US- | OR  | OFF | 2005/03/06<br>07:33 |                     |

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|     |     | 6597046-\$ or US-6627963-\$ or US-6646313-\$ or US-6653694-\$ or US-6657228-\$ or US-6770940-\$ or US-6847080-\$ or US-6847088-\$ or US-6853030-\$).did. or (US-6856360-\$).did. or (JP-02222169-\$ or JP-05335573-\$ or JP-08250742-\$ or JP-11307777-\$ or JP-2000353811-\$ or JP-2003045892-\$ or JP-54015678-\$).did. or (JP-05335573-\$ or JP-08250742-\$ or JP-2000353811-\$ or JP-11307777-\$ or US-20030025127-\$).did. |  |    |     |                     |
| S35 | 3   | S34 and yanai.in.   | US_PGPUB;<br>USPAT; JPO;<br>DERWENT                            | OR | OFF | 2005/03/06<br>07:40 |
| S36 | 28  | (self-aligned self-aligning self-alignment) near10 ("." ANG." ".mu.m" micron nm nanometer Angstrom) and tft   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/06<br>07:45 |
| S37 | 22  | (self-aligned self-aligning self-alignment) and LDD and S34   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/06<br>07:55 |
| S38 | 15  | (self-aligned self-aligning self-alignment) and LDD and "low" near1 voltage and S34   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/06<br>07:56 |
| S39 | 15  | (self-aligned self-aligning self-alignment) and LDD and "low" near1 voltage and "high" near1 voltage and S34  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/06<br>08:05 |
| S40 | 126 | LDD near4 "low" near1 voltage   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/06<br>08:05 |
| S41 | 14  | LDD near4 "low" near1 voltage and tft   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/03/06<br>08:36 |

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| S42 | 5   | LLD near4 "low" near1 voltage and tft and (self-aligned self-aligning self-alignment selfaligned selfalignment)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/03/06 08:36 |
| S43 | 238 | second adj electrode near6 TFT  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2005/03/06 10:21 |
| S44 | 19  | split-gate and TFT  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2005/03/06 10:27 |
| S45 | 131 | separate near1 gate and TFT   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | OFF | 2005/03/06 12:22 |
| S46 | 60  | separate near1 gate and TFT   | US-PGPUB   | OR | OFF | 2005/03/06 12:25 |
| S47 | 654 | double adj gate and tft   | US-PGPUB   | OR | OFF | 2005/03/06 12:26 |
| S48 | 15  | double adj gate.ti,ab,clm. and tft  | US-PGPUB   | OR | OFF | 2005/03/06 12:48 |
| S49 | 2   | (overlap overlapping) near6 gate near6 ("."mu.m" ".ANG." nm nanometer micron) and tft.ti,ab,clm.  | US-PGPUB; USOCR; EPO; JPO; DERWENT                 | OR | ON  | 2005/03/06 13:01 |
| S50 | 7   | (overlap overlapping) near6 gate near6 ("."mu.m" ".ANG." nm nanometer micron) and tft   | US-PGPUB; USOCR; EPO; JPO; DERWENT                 | OR | ON  | 2005/03/06 13:36 |
| S51 | 83  | (overlap overlapping) near6 ("."mu.m" ".ANG." nm nanometer micron) and tft  | US-PGPUB; USOCR; EPO; JPO; DERWENT                 | OR | ON  | 2005/03/06 13:36 |
| S52 | 10  | (JP-2003045892-\$ or JP-2000353811-\$ or JP-05335573-\$ or JP-11307777-\$ or JP-08250742-\$).did. or (JP-2000353811-\$ or US-20030025127-\$ or JP-08250742-\$ or JP-11307777-\$ or JP-05335573-\$).did. | JPO; DERWENT                                       | OR | OFF | 2005/03/06 13:50 |

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| S53 | 11  | (JP-2003045892-\$ or JP-2000353811-\$ or JP-05335573-\$ or JP-11307777-\$ or JP-08250742-\$).did. or (JP-2000353811-\$ or US-20030025127-\$ or JP-08250742-\$ or JP-11307777-\$ or JP-05335573-\$).did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT   | OR | OFF | 2005/03/06 13:52 |
| S54 | 266 | width near4 gate adj electrode and (overlap overlapping) near6 gate near6 drain   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT   | OR | OFF | 2005/03/06 13:52 |
| S55 | 144 | width near4 gate adj electrode and (overlap overlapping) near6 gate near6 drain and tft   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT   | OR | ON  | 2005/03/06 13:52 |
| S56 | 47  | width near4 gate adj electrode and (overlap overlapping) near6 gate near6 drain and tft.ti,ab,clm.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT   | OR | ON  | 2005/03/06 13:56 |
| S57 | 7   | width near4 gate adj electrode and (overlap overlapping) near6 gate near6 drain near6 ("mu.m" "nm ".ANG.) and tft   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT   | OR | ON  | 2005/03/06 13:57 |
| S58 | 2   | jp-05335573\$-.did.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 09:53 |
| S59 | 2   | jp-08250742\$-.did.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 08:41 |
| S60 | 0   | jp-200345892\$-.did.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 08:41 |
| S61 | 2   | jp-2003045892\$-.did.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 08:41 |
| S62 | 346 | gate adj electrode near4 polysilicon.ti,ab,clm. and (tft thin adj film adj transistor)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 09:53 |

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| S63 | 325 | gate adj electrode near4 polysilicon.ti,ab,clm. and (tft thin adj film adj transistor).ti,ab,clm.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:54 |
| S64 | 41  | gate adj electrode near4 polysilicon.ti,ab,clm. and (tft thin adj film adj transistor).ti,ab,clm. and polysilicon adj tft  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:55 |
| S65 | 7   | gate adj electrode near4 polysilicon.ti,ab,clm. and (tft thin adj film adj transistor).ti,ab,clm. and polysilicon adj tft.ti.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 10:19 |
| S66 | 0   | gate adj electrode near4 polysilicon.ti,ab,clm. and (tft thin adj film adj transistor).ti,ab,clm. and polysilicon adj tft.ti. and polysilicon adj tft near4 polysilicon near4 gate   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:56 |
| S67 | 0   | gate adj electrode near4 polysilicon.ti,ab,clm. and (tft thin adj film adj transistor).ti,ab,clm. and polysilicon adj tft.ti. and polysilicon adj tft near10 polysilicon near10 gate | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:56 |
| S68 | 0   | gate adj electrode near4 polysilicon.ti,ab,clm. and (tft thin adj film adj transistor).ti,ab,clm. and polysilicon adj tft.ti. and polysilicon adj tft same polysilicon near10 gate   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 09:56 |
| S69 | 2   | jp-2000058849\$-.did.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 10:22 |
| S70 | 2   | jp-11307777\$-.did.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 10:28 |
| S71 | 2   | jp-2003017502\$-.did.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/16 14:14 |

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| S72 | 2    | "20020195604".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2005/08/16<br>10:29 |
| S73 | 8649 | ((257/59) or (257/72) or<br>(257/270) or (257/346) or<br>(257/351) or (257/355) or<br>(257/356) or (257/387) or<br>(257/390) or (257/391) or<br>(257/392) or (257/393) or<br>(257/394) or (257/395)).<br>CCLS.                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/16<br>12:40 |
| S74 | 1420 | S73 and (third three)<br>near4 gate   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | OFF | 2005/08/16<br>12:40 |
| S75 | 657  | S73 and (third three)<br>near4 gate and (tft otft<br>thin adj film adj transistor)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2005/08/16<br>12:41 |
| S76 | 2    | (gate adj stack gate-stack)<br>and (thin adj film adj<br>transistor tft otft) and<br>257/270.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2005/08/16<br>14:16 |
| S77 | 182  | (gate adj stack gate-stack)<br>and (thin adj film adj<br>transistor tft otft)"ti,ab,<br>clm."   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2005/08/16<br>14:17 |
| S78 | 8    | (gate adj stack gate-stack)<br>and (thin adj film adj<br>transistor tft otft).ti,ab,<br>clm. and (overlap overlaps<br>overlapping overlapped)<br>and (self-aligned self-<br>alignment self-align)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2005/08/16<br>14:19 |
| S79 | 0    | (gate adj stack gate-stack)<br>and (thin adj film adj<br>transistor tft otft).ti,ab,<br>clm. and (overlap overlaps<br>overlapping overlapped)<br>and (self-aligned self-<br>alignment self-align) and<br>low-voltage and high-<br>voltage | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2005/08/16<br>14:19 |

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| S80 | 6   | (gate adj stack gate-stack) and (thin adj film adj transistor tft otft).ti,ab,clm. and (overlap overlaps overlapping overlapped) and (self-aligned self-alignment self-align) and ("low" adj voltage "lower" adj voltage low-voltage and "higher" adj voltage "high" adj voltage high-voltage) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/08/16 14:20 |
| S81 | 2   | jp-05335573\$-\$ did.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:27 |
| S82 | 2   | ("5396084").PN.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:42 |
| S83 | 127 | mondt.xa.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:47 |
| S84 | 462 | (tft otft thin adj film adj transistor).ti,ab,clm. and (self-align\$2 self-alignment selfalign\$2 selfalignment) and ((voltage near4 ("high" "higher") high-voltage) and ((voltage near4 ("low" "lower") low-voltage)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:58 |
| S85 | 440 | (tft otft thin adj film adj transistor).ti,ab,clm. and (self-align\$2 self-alignment selfalign\$2 selfalignment) and ((voltage near4 ("high" "higher") high-voltage) and ((voltage near4 ("low" "lower") low-voltage) and (thick thickness thicker)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:59 |

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| S86 | 307 | (tft otft thin adj film adj transistor).ti,ab,clm. and (self-align\$2 self-alignment selfalign\$2 selfalignment) and ((voltage near4 ("high" "higher") high-voltage) and ((voltage near4 ("low" "lower") low-voltage) and (thick thickness thicker) near6 gate   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:59 |
| S87 | 278 | (tft otft thin adj film adj transistor).ti,ab,clm. and (self-align\$2 self-alignment selfalign\$2 selfalignment) and ((voltage near4 ("high" "higher") high-voltage) and ((voltage near4 ("low" "lower") low-voltage) and (thick thickness thicker) near6 gate near6 (insulation insulating oxide)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 15:00 |
| S88 | 0   | (additional second third separate) near4 gate.clm. and (low-voltage ("lower" "low") near2 voltage)).clm. and (high-voltage ("higher" "high") near2 voltage)).clm. and (thin adj film near2 transistor tft otft).clm. and (overlap overlapped overlaps overlapping).clm. and (self-align self-alignment self-aligned self-aligning).clm. and (thick thickness thicker).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/08/16 16:36 |
| S89 | 2   | jp-2000058849\$-.did.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/08/16 17:10 |
| S90 | 2   | jp-11307777\$-.did.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/08/16 17:08 |
| S91 | 2   | jp-2003017502\$-.did.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/08/16 16:37 |

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| S92 | 2 | "20020195604".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/16<br>17:10 |
| S93 | 8 | S89 S90 S91 S92   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/16<br>16:37 |
| S94 | 2 | ("20030025127").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/16<br>16:59 |
| S95 | 2 | jp-2003017502\$-.did.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/17<br>11:56 |
| S96 | 5 | "773333".ap.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/17<br>12:18 |
| S97 | 1 | (low-voltage "low" adj voltage) and (tft thin adj film adj transistor) and (self-align\$3 self-aligned self-alignment selfalign\$3 selfalignment) and overlap near4 (".mu.m" micron ">ANG." Angstrom Angstroem)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/17<br>12:20 |
| S98 | 1 | (low-voltage "low" adj voltage) and (tft thin adj film adj transistor) and (self-align\$3 self-aligned self-alignment selfalign\$3 selfalignment) and overlap near4 (".mu.m" micron "ANG." Angstrom Angstroem)                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/17<br>12:21 |
| S99 | 1 | (low-voltage "low" adj voltage) and (tft thin adj film adj transistor) and (self-align\$3 self-aligned self-alignment selfalign\$3 selfalignment) and (overlapping overlapped overlap) near4 (".mu.m" micron "ANG." Angstrom Angstroem) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/17<br>12:22 |

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| S100 | 14   | (tft thin adj film adj transistor) and (self-align \$3 self-aligned self-alignment selfalign\$3 selfalignment) and (overlapping overlapped overlap) near4 ("."mu.m" micron "ANG." Angstrom Angstroem)                                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 12:59 |
| S101 | 2219 | (self-alignment self-align\$3 selfalign\$3 selfalignment).ti,ab,clm. and (LDD lightly adj doped adj drain lightly-doped adj dran)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 13:00 |
| S102 | 2219 | (self-alignment self-align\$3 selfalign\$3 selfalignment).ti,ab,clm. and (LDD lightly adj doped adj drain lightly-doped adj drain)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 13:00 |
| S103 | 1012 | (self-alignment self-align\$3 selfalign\$3 selfalignment).ti,ab,clm. and (LDD lightly adj doped adj drain lightly-doped adj drain).ti,ab,clm.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 13:00 |
| S104 | 136  | (self-alignment self-align\$3 selfalign\$3 selfalignment).ti,ab,clm. and (LDD lightly adj doped adj drain lightly-doped adj drain).ti,ab,clm. and (thin adj film adj transistor tft otft).ti,ab,clm.                                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 13:05 |
| S105 | 5    | (self-alignment self-align\$3 selfalign\$3 selfalignment).ti,ab,clm. and (LDD lightly adj doped adj drain lightly-doped adj drain).ti,ab,clm. and (thin adj film adj transistor tft otft).ti,ab,clm. and hot adj electron adj effect | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 13:05 |
| S106 | 9    | (self-alignment self-align\$3 selfalign\$3 selfalignment).ti,ab,clm. and (LDD lightly adj doped adj drain lightly-doped adj drain).ti,ab,clm. and (thin adj film adj transistor tft otft).ti,ab,clm. and hot adj electron            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 13:05 |

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| S107 | 9207  | ((257/72) or (257/59) or (257/270) or (257/346) or (257/351) or (257/387) or (257/355) or (257/356) or (257/390) or (257/391) or (257/392) or (257/393) or (257/394) or (257/395) or (257/406)).CCLS.      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/18 15:49 |
| S108 | 3     | S107 and (thin adj film adj transistor tft otft) and (high \$3 near1 voltage) and (low \$3 near1 voltage) and gate near2 (silicide near3 (silicon semiconductor)) and overlap\$4 near6 (source drain gate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/03/01 11:27 |
| S109 | 2     | JP-2000193774\$-.DID.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/01 12:26 |
| S110 | 11789 | 257/72 257/59 257/270<br>257/346 257/351 257/387<br>257/355 257/356 257/390<br>257/391 257/392 257/393<br>257/394 257/395 257/406  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/18 15:50 |
| S111 | 6806  | ((self-align\$4 selfalign\$4) gate near3 (drain source) near3 overlap) and (thin adj film adj transistor tft otft)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/09/18 15:53 |
| S112 | 1213  | ((self-align\$4 selfalign\$4) (gate near3 (drain source) near3 overlap).ti,ab,clm. and (thin adj film adj transistor tft otft).ti,ab, clm.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/09/18 16:10 |
| S113 | 18    | ((self-align\$4 selfalign\$4) (gate near3 (drain source) near3 overlap)).ti,ab,clm. and (thin adj film adj transistor tft otft).ti,ab, clm. and third adj gate   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/09/18 16:29 |
| S114 | 0     | (thickness thick) near6 gate adj electrode and "773333".ap.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/09/18 16:30 |
| S115 | 1     | (thickness thick) near6 (gate adj electrode) and "773333".ap.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/09/18 16:37 |

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| S116 | 1   | (thickness thick) near6<br>(gate adj electrode) and<br>"773333".ap. and (thick<br>thickness)          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>16:46 |
| S117 | 1   | overlap\$4 near4 (second<br>adj gate) and "773333".<br>ap. and (thick thickness)                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>16:48 |
| S118 | 1   | overlap\$4 near4 (second<br>adj gate) and "773333".<br>ap.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>16:49 |
| S119 | 0   | overlap\$4 near10 ".mu.m"<br>and "773333".ap.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>16:49 |
| S120 | 1   | overlap\$4 and "773333".<br>ap.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>17:06 |
| S121 | 0   | ".mu.m" and "773333".ap.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>16:50 |
| S122 | 296 | (overlap\$4 near4 gate).ti,<br>ab,clm. and S112   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>17:10 |
| S123 | 257 | (overlap\$4 near4 gate).ti,<br>ab,clm. and S112 and<br>@ad<"20040210"                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>18:17 |
| S124 | 218 | (overlap\$4 near4 gate<br>near4 (source drain)).ti,ab,<br>clm. and S112 and<br>@ad<"20040210"         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>18:18 |
| S125 | 0   | (overlap\$4 near4 gate<br>near4 (source drain) near4<br>nm).ti,ab,clm. and S112<br>and @ad<"20040210" | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/18<br>18:18 |

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| S126 | 1  | (overlap\$4 near4 gate<br>near4 (source drain) near4<br>micron).ti,ab,clm. and<br>S112 and<br>@ad< "20040210"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/18<br>18:22 |
| S127 | 5  | (overlap\$4 near4 gate<br>near4 (source drain) near4<br>micron).ti,ab,clm. and<br>@ad< "20040210"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/18<br>18:22 |
| S128 | 10 | (JP-2003045892-\$ or JP-<br>2000353811-\$ or JP-<br>11307777-\$ or JP-<br>08250742-\$ or JP-<br>05335573-\$).did. or (JP-<br>11307777-\$ or JP-<br>08250742-\$ or JP-<br>05335573-\$ or US-<br>20030025127-\$ or JP-<br>2000353811-\$).did.   | JPO; DERWENT  | OR | OFF | 2006/09/18<br>19:16 |
| S129 | 4  | S128 and (thick thickness)<br>near4 gate  | JPO; DERWENT  | OR | ON  | 2006/09/18<br>19:16 |
| S130 | 93 | (US-20040195568-\$ or US-<br>20010000755-\$ or US-<br>20010013912-\$ or US-<br>20020030190-\$ or US-<br>20020041350-\$ or US-<br>20020042170-\$ or US-<br>20020135554-\$ or US-<br>20020149056-\$ or US-<br>20030025127-\$ or US-<br>20040048422-\$ or US-<br>20020024048-\$ or US-<br>20040206956-\$ or US-<br>20040046174-\$ or US-<br>20020195604-\$ or US-<br>20030132500-\$ or US-<br>20050167668-\$ or US-<br>20040257486-\$ or US-<br>20020117723-\$ or US-<br>20040012023-\$ or US-<br>20020190343-\$ or US-<br>20020139978-\$ or US-<br>20030124778-\$ or US-<br>20040026750-\$ or US-<br>20020084490-\$).did. or<br>(US-6627963-\$ or US-<br>6856360-\$ or US-5736750-\$<br>or US-6657228-\$ or US-<br>4085498-\$ or US-6271572-\$<br>or US-6563182-\$ or US-<br>6559489-\$ or US-6157062-\$<br>or US-4183040-\$ or US-<br>6853030-\$ or US-5654577-\$<br>or US-6847088-\$ or US- | US-PGPUB;<br>USPAT; JPO;<br>DERWENT                     | OR | OFF | 2006/09/18<br>19:18 |

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|      |     | 6541823-\$ or US-5468987-\$ or US-6064096-\$ or US-6333541-\$ or US-6653694-\$ or US-6166417-\$ or US-5576556-\$ or US-6191460-\$ or US-6251732-\$ or US-6300663-\$ or US-6593191-\$ or US-6198140-\$ or US-6586805-\$).did. or (US-6175138-\$ or US-6384886-\$ or US-5696400-\$ or US-6452211-\$ or US-6426787-\$ or US-6294815-\$ or US-6316787-\$ or US-6115094-\$ or US-6368904-\$ or US-6420988-\$ or US-6646313-\$ or US-6770940-\$ or US-6163055-\$ or US-6469348-\$ or US-6093594-\$ or US-6380590-\$ or US-6267479-\$ or US-6579736-\$ or US-6492690-\$ or US-6847080-\$ or US-6597046-\$ or US-5528056-\$ or US-6400434-\$ or US-6303963-\$ or US-6165824-\$ or US-4104784-\$ or US-4205330-\$).did. or (US-6265739-\$ or US-5508216-\$).did. or (JP-2003045892-\$ or JP-2000353811-\$ or JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$ or JP-2000058849-\$ or JP-54015678-\$ or JP-02222169-\$ or JP-2003017502-\$).did. or (JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$ or US-20030025127-\$ or JP-2000353811-\$).did. |                               |    |    |                  |
| S131 | 15  | S130 and (thick thickness) near4 gates near4 ("same" equal)  | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/09/18 19:21 |
| S132 | 415 | (thick thickness) near4 "gates" near4 ("same" equal) and (thin adj film adj transistor tft)  | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/09/18 19:22 |
| S133 | 113 | (thick thickness) near4 "gates" near4 ("same" equal).ti,ab,clm. and (thin adj film adj transistor tft)   | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/09/18 19:28 |

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| S134 | 2  | JP-2003017502\$-.did.  | US-PGPUB;<br>USPAT; JPO;<br>DERWENT                     | OR | ON | 2006/09/18<br>19:28 |
| S135 | 15 | gate near4 (source drain)<br>near4 overlap\$4 near4 nm   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>08:38 |
| S136 | 68 | gate near4 (source drain)<br>near4 overlap\$4 near4<br>"mu.m"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>08:41 |
| S137 | 21 | gate near4 (source drain)<br>near4 overlap\$4 near4<br>"mu.m" and (self-<br>alignment self-aligned self-<br>align) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>08:41 |
| S138 | 11 | ("high" adj voltage near2<br>TFT) and ("low" adj<br>voltage adj TFT)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>09:48 |
| S139 | 54 | ("high" adj voltage near2<br>TFT) and ("low" adj<br>voltage near2 TFT)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>10:03 |
| S140 | 2  | "20030025127".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>10:12 |
| S141 | 2  | "20030025127".pn. and<br>(gate electrode polysilicon<br>W)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>10:23 |
| S142 | 1  | "20030025127".pn. and<br>(overlap "24" LDD)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>10:23 |
| S143 | 1  | "20030025127".pn. and<br>(overlap\$4 "24" LDD)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>10:54 |
| S144 | 2  | "5053849".pn. and (overlap<br>\$4 "24" LDD)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/19<br>10:54 |

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| S145 | 2    | "5053849".pn. and (W polysilicon gate electrode)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 10:57 |
| S146 | 0    | TFT.ti,ab,clm. and ("low" adj voltage) same (W with polysilicon)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 10:59 |
| S147 | 0    | (TFT thin adj film adj transistor).ti,ab,clm. and ("low" adj voltage) same (W with polysilicon)               | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 10:59 |
| S148 | 0    | (TFT thin adj film adj transistor) and gate same ("low" adj voltage) same (W with polysilicon)                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 10:59 |
| S149 | 0    | (TFT thin adj film adj transistor) and gate same ("low" adj voltage) same (W near20 polysilicon)              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 11:00 |
| S150 | 58   | (TFT thin adj film adj transistor) and gate with (W near6 polysilicon)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 11:18 |
| S151 | 24   | (TFT thin adj film adj transistor) and gate with (W near6 polysilicon) and (self-align\$4 self adj align \$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 11:46 |
| S152 | 2    | jp-05335573\$-.did.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 13:00 |
| S153 | 2511 | (LDD lightly adj doped) near20 self-align\$4  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 13:00 |
| S154 | 1398 | (LDD lightly adj doped) near4 self-align\$4   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/19 13:01 |

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| S155 | 924  | (LDD) near4 self-align\$4   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>13:01 |
| S156 | 300  | (LDD) near4 self-align\$4 and tft   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>13:01 |
| S157 | 41   | (LDD) near4 self-align\$4.ti,<br>ab,clm. and tft  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>13:37 |
| S158 | 9829 | ((257/59) or (257/72) or<br>(257/270) or (257/346) or<br>(257/351) or (257/387) or<br>(257/355) or (257/356) or<br>(257/390) or (257/391) or<br>(257/392) or (257/393) or<br>(257/394) or (257/395) or<br>(257/406)).CCLS.          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/19<br>13:38 |
| S159 | 260  | S158 and ("low"\$3 near20<br>"high"\$3 near20 voltage)<br>and overlap\$4 near10 gate<br>near10 (impurity source<br>drain)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>13:40 |
| S160 | 152  | S158 and ("low"\$3 near20<br>"high"\$3 near20 voltage)<br>and overlap\$4 near10 gate<br>near10 (impurity source<br>drain) and<br>@ad< "20020210"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>13:50 |
| S161 | 341  | (hiroshi near2 okumura).<br>in.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>13:51 |
| S162 | 127  | ((hiroshi near2 okumura).<br>in. nec.as.) and (tft thin<br>adj film adj transistor).ti,<br>ab,clm. and (overlap\$4<br>self-align\$4 self adj align<br>\$4).clm.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>13:53 |
| S163 | 2    | ((hiroshi near2 okumura).<br>in. nec.as.) and (tft thin<br>adj film adj transistor).ti,<br>ab,clm. and (overlap\$4<br>self-align\$4 self adj align<br>\$4).clm. and gate adj<br>(oxide insulati\$2) near4<br>(thick thickness).clm. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>15:09 |

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| S164 | 2    | jp-06244209\$-\$ did.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/19<br>15:09 |
| S165 | 4    | (("20030025127") or<br>("20030017502")).PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/07<br>14:00 |
| S166 | 2    | jp-2003017502\$-\$ did.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/07<br>14:05 |
| S167 | 7261 | "high" near2 voltage and<br>"low" near2 voltage and<br>(tft thin adj film adj<br>transistor)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/07<br>14:06 |
| S168 | 289  | "high" near2 voltage and<br>"low" near2 voltage and<br>(tft thin adj film adj<br>transistor) and second<br>adj3 transistor and third<br>adj3 gate | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/07<br>14:07 |
| S169 | 2    | ("20040206956").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/08<br>08:17 |
| S170 | 1    | S169 and overlap\$4   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/08<br>10:56 |
| S171 | 7    | "380721".ap.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/08<br>13:07 |
| S173 | 2    | ("20040206956").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/08<br>13:15 |
| S174 | 0    | S173 and "Fig. 18"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/08<br>13:15 |

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| S175 | 1 | S173 and "18"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/08<br>13:35 |
| S176 | 2 | ("4692302").PN.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/08<br>14:38 |
| S177 | 1 | "20040206956".pn. and<br>overlap\$4   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/08<br>17:31 |
| S178 | 0 | "20040206956".pn. and<br>overlap\$4 near10 voltage  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/08<br>17:31 |
| S179 | 0 | "20040206956".pn. and<br>overlap\$4 near10 (high-<br>voltage low-voltage<br>voltage)        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/08<br>17:32 |
| S180 | 0 | "20040206956".pn. and<br>overlap\$4 near20 (high-<br>voltage low-voltage<br>voltage)        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/08<br>17:33 |
| S181 | 0 | "20040206956".pn. and<br>overlap\$4 near20 ("141"<br>high-voltage low-voltage<br>voltage)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/08<br>17:33 |
| S182 | 0 | "20040206956".pn. and<br>overlap\$4 near20 ("14"\$1<br>high-voltage low-voltage<br>voltage) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/08<br>17:33 |
| S183 | 2 | "20040206956".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/08<br>17:33 |
| S184 | 1 | (US-20040195568-\$).did.  | US-PGPUB  | OR | OFF | 2007/03/09<br>11:53 |
| S185 | 1 | (US-20040195568-\$).did.<br>and (thick thickness)   | US-PGPUB  | OR | ON  | 2007/03/09<br>11:53 |

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| S186 | 98 | (US-20040206956-\$ or US-20040195568-\$ or US-20040048422-\$ or US-20040046174-\$ or US-20030025127-\$ or US-20020149056-\$ or US-20020135554-\$ or US-20020030190-\$ or US-20020024048-\$ or US-20010013912-\$ or US-20020042170-\$ or US-20020041350-\$ or US-20010000755-\$ or US-20040026750-\$ or US-20020084490-\$ or US-20030132500-\$ or US-20020117723-\$ or US-20030124778-\$ or US-20020139978-\$ or US-20020190343-\$ or US-20040257486-\$ or US-20020175376-\$ or US-20040012023-\$ or US-20020195604-\$ or US-20050167668-\$).did. or (US-6657228-\$ or US-6856360-\$ or US-6452211-\$ or US-6426787-\$ or US-6420988-\$ or US-6400434-\$ or US-6384886-\$ or US-6368904-\$ or US-6316787-\$ or US-6303963-\$ or US-6294815-\$ or US-6165824-\$ or US-6163055-\$ or US-6115094-\$ or US-5528056-\$ or US-5696400-\$ or US-6646313-\$ or US-6300663-\$ or US-6198140-\$ or US-6597046-\$ or US-5468987-\$ or US-6847080-\$ or US-6770940-\$ or US-6847088-\$ or US-6627963-\$ or US-6541823-\$).did. or (US-6191460-\$ or US-6175138-\$ or US-6333541-\$ or US-6251732-\$ or US-5508216-\$ or US-5576556-\$ or US-6853030-\$ or US-6593191-\$ or US-6579736-\$ or US-6559489-\$ or US-6492690-\$ or US-6653694-\$ or US-6586805-\$ or US-6563182-\$ or US-6271572-\$ or US-6265739-\$ or US-6166417-\$ or US-6380590-\$ or US-6267479-\$ or US-6093594-\$ or US-5736750-\$ or US- | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | OFF | 2007/03/09<br>12:05 |
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|      |     | 5654577-\$ or US-4183040-\$ or US-4104784-\$ or US-4085498-\$ or US-4205330-\$ or US-6157062-\$).did. or (US-6064096-\$ or US-6469348-\$ or US-5672888-\$ or US-7038283-\$).did. or (JP-2003045892-\$ or JP-2000353811-\$ or JP-11307777-\$ or JP-08250742-\$ or JP-05335573-\$ or JP-02222169-\$ or JP-54015678-\$ or JP-2000058849-\$ or JP-2003017502-\$ or JP-06244209-\$).did. or (US-20030025127-\$ or JP-2000353811-\$ or JP-08250742-\$ or JP-11307777-\$ or JP-05335573-\$ or JP-2004253596-\$).did. |                                     |    |     |                     |
| S187 | 3   | S186 and nakamura.in.   | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | OFF | 2007/03/09<br>15:13 |
| S188 | 135 | gate adj array and gate adj electrode near4 (thickness thick)   | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | OFF | 2007/03/09<br>15:14 |
| S189 | 16  | gate adj array and gate adj electrode near4 (thickness thick) near4 ("same" equal)  | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | ON  | 2007/03/09<br>15:15 |
| S190 | 0   | gate adj array and gate adj electrode near4 (thickness thick) near4 ("same" equal) and (tft thin adj film adj transistor)   | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | ON  | 2007/03/09<br>15:15 |
| S191 | 164 | gate adj electrode near4 (thickness thick) near4 ("same" equal) and (tft thin adj film adj transistor)  | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | ON  | 2007/03/09<br>15:16 |
| S192 | 88  | gate adj electrode near2 (thickness thick) near2 ("same" equal) and (tft thin adj film adj transistor)  | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | ON  | 2007/03/09<br>15:44 |
| S193 | 88  | gate adj electrode near2 (thickness thick) near2 ("same" equal) and (tft thin adj film adj transistor) and (polysilicon gate)   | US-PGPUB;<br>USPAT; JPO;<br>DERWENT | OR | ON  | 2007/03/09<br>17:05 |

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| S194 | 14    | third adj gate.ti,ab,clm.<br>and (thin adj film adj<br>transistor tft).ti,ab,clm.<br>and (nec.as. (hiroshi near1<br>okumura).in.)                      | US-PGPUB;<br>USPAT; JPO;<br>DERWENT                     | OR | ON  | 2007/03/09<br>17:08 |
| S195 | 11542 | ((257/59) or (257/72) or<br>(257/270) or (257/346) or<br>(257/351) or (257/387) or<br>(257/355) or (257/256) or<br>(257/39\$1) or (257/406)).<br>CCLS. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/09<br>17:09 |
| S196 | 40    | S195 and third adj gate.<br>clm. and thin adj film adj<br>transistor.clm.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/09<br>17:09 |
| S197 | 42    | S195 and third adj gate.<br>clm. and thin adj film adj<br>transistor.clm.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/09<br>17:09 |
| S198 | 2     | jp-2003017502\$-.did.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/27<br>09:48 |
| S199 | 1710  | switched adj terminal  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/27<br>16:09 |
| S200 | 116   | high adj voltage near1<br>transistor and low adj<br>voltage near1 transistor<br>and third adj gate   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/15<br>20:09 |
| S201 | 48    | high adj voltage near1<br>transistor and low adj<br>voltage near1 transistor<br>and third adj gate and<br>@ad< "20030221"                              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/15<br>20:16 |
| S202 | 18    | (adjust adjusted<br>adjustment adjusting)<br>near3 (height distance)<br>near3 voltage same gate<br>and transistor                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/15<br>20:18 |
| S203 | 381   | (257/250).CCLS.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/15<br>21:31 |

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| S204 | 381   | S203  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/15<br>20:40 |
| S205 | 1     | (US-20040195568-\$).did.  | US-PGPUB  | OR | OFF | 2007/09/15<br>21:03 |
| S206 | 0     | (US-20040195568-\$).did.<br>and gate near3 length   | US-PGPUB  | OR | ON  | 2007/09/15<br>21:03 |
| S207 | 1     | (US-20040195568-\$).did.<br>and gate same length  | US-PGPUB  | OR | ON  | 2007/09/15<br>21:03 |
| S208 | 1     | (US-20040195568-\$).did.<br>and gate near10 length  | US-PGPUB  | OR | ON  | 2007/09/15<br>21:03 |
| S209 | 330   | S203 and<br>@ad<"20030221"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/16<br>00:04 |
| S210 | 11232 | ((257/59) or (257/72) or<br>(257/250) or (257/270) or<br>(257/346) or (257/346) or<br>(257/351) or (257/387) or<br>(257/355) or (257/356) or<br>(257/390) or (257/391) or<br>(257/392) or (257/393) or<br>(257/394) or (257/395) or<br>(257/406)).CCLS.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/16<br>00:05 |
| S211 | 50    | S210 and ("high"\$3 near1<br>voltage high-voltage) and<br>("low"\$3 near1 voltage<br>low-voltage) and (sub-gate<br>subgate "sub" adj gate<br>auxiliary adj gate third adj<br>gate additional adj gate)<br>and (lightly adj doped adj<br>drain LDD)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/16<br>00:09 |
| S212 | 0     | ((okumura near1 hiroshi).<br>in. nec.as.) and ("high"\$3<br>near1 voltage high-<br>voltage).clm. and ("low"\$3<br>near1 voltage low-voltage).<br>clm. and (sub-gate<br>subgate "sub" adj gate<br>auxiliary adj gate third adj<br>gate additional adj gate).<br>clm. and (lightly adj doped<br>adj drain LDD).clm. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/16<br>00:10 |
| S213 | 1     | (US-20040195568-\$).did.  | US-PGPUB  | OR | ON  | 2008/01/07<br>06:59 |
| S214 | 1     | (US-20040195568-\$).did.  | US-PGPUB  | OR | ON  | 2008/03/16<br>14:27 |

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| S215 | 0     | (US-20040195568-\$).did.<br>and impurity adj region<br>near6 second near6 third   | US-PGPUB  | OR | ON  | 2008/03/16<br>14:57 |
| S216 | 0     | jp-2003017502\$-.did.   | US-PGPUB  | OR | ON  | 2008/03/16<br>15:07 |
| S217 | 2     | jp-2003017502\$-.did.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/16<br>15:07 |
| S218 | 11764 | ((257/59) or (257/72) or<br>(257/250) or (257/270) or<br>(257/346) or (257/351) or<br>(257/387) or (257/355) or<br>(257/356) or (257/390) or<br>(257/391) or (257/392) or<br>(257/393) or (257/394) or<br>(257/395) or (257/406)).<br>CCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/16<br>18:45 |
| S219 | 5     | S218 and (tft otft thin adj<br>film adj transistor) and (self<br>\$1alignment self\$1align self<br>\$1aligning self\$1aligned)<br>and ("low" "lower") near2<br>(voltage potential) and<br>("high" "higher") near2<br>(voltage potential) and<br>third adj gate near10<br>("between" "amidst"<br>sandwich\$3) near10 (LDD<br>lightly adj doped impurity<br>diffusion)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/16<br>18:49 |
| S220 | 0     | ((okumura near1 hiroshi).<br>in. (nec).as.) and (tft otft<br>thin adj film adj transistor)<br>and (self\$1alignment self<br>\$1align self\$1aligning self<br>\$1aligned) and ("low"<br>"lower") near2 (voltage<br>potential) and ("high"<br>"higher") near2 (voltage<br>potential) and third adj<br>gate near10 ("between"<br>"amidst" sandwich\$3)<br>near10 (LDD lightly adj<br>doped impurity diffusion) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/16<br>18:51 |
| S221 | 4     | ("2003017502").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/18<br>11:53 |

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|------|-------|---|--|----|-----|------------------|
| S222 | 11    | (LDD lightly-doped adj (drain diffusion)) near6 directly near6 "below" near6 gate   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/08/18 12:11 |
| S223 | 7     | (LDD lightly-doped adj (drain diffusion)) near6 directly near6 "below" near6 gate and @ad<"20040210"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/08/18 12:14 |
| S224 | 13    | short adj channel adj effects and high-voltage and thin adj film adj transistor and (LDD lightly-doped adj drain)                                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/08/18 12:21 |
| S225 | 690   | short adj channel adj effects near20 (LDD lightly-doped adj drain)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/08/18 12:25 |
| S226 | 404   | short adj channel adj effects near6 (LDD lightly-doped adj drain)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/08/18 12:26 |
| S227 | 213   | short adj channel adj effects near6 (LDD lightly-doped adj drain) and (LDD lightly-doped adj drain) near6 gate                                      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/08/18 12:26 |
| S228 | 140   | short adj channel adj effects near6 (LDD lightly-doped adj drain) and (LDD lightly-doped adj drain) near6 gate and @ad<"20040210"                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/08/18 12:27 |
| S229 | 13299 | ((257/59) or (257/72) or (257/250) or (257/270) or (257/346) or (257/351) or (257/387) or (257/355) or (257/356) or (257/39\$1) or (257/406)).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/08/18 13:28 |

|      |   |   |  |    |    |                  |
|------|---|---|--|----|----|------------------|
| S230 | 5 | S229 and high adj voltage near1 transistor and low adj voltage near1 transistor and third adj gate and (impurity drain LDD lightly-doped adj drain) near6 "below"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB              | OR | ON | 2008/08/18 13:30 |
| S231 | 1 | S229 and high adj voltage near1 transistor and low adj voltage near1 transistor.clm. and third adj gate.clm. and (impurity drain LDD lightly-doped adj drain) near6 (overlap \$4 "below"".")"clm."                    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB              | OR | ON | 2008/08/18 13:31 |
| S232 | 0 | (okumura.in. nec.as.) and high adj voltage near1 transistor.clm. and low adj voltage near1 transistor. clm. and third adj gate. clm. and (impurity drain LDD lightly-doped adj drain) near6 (overlap\$4 "below").clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB              | OR | ON | 2008/08/18 13:32 |
| S233 | 2 | "6104772".pn.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/18 15:49 |
| S234 | 2 | "20040099175"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/18 15:53 |
| S235 | 0 | wo0206720\$-.did.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/18 16:09 |
| S236 | 0 | wo200206720\$-.did.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/18 16:09 |
| S237 | 0 | wo-200206720\$-.did.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/18 16:09 |

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|------|-------|-------------------------|---|----|-----|---------------------|
| S238 | 10    | wo-0206720\$-.did.      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/18<br>16:09 |
| S239 | 0     | wo-02006720\$-.did.     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/18<br>16:09 |
| S240 | 10    | wo-0206720\$-.did.      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/18<br>16:09 |
| S241 | 2     | "5940464".pn.           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/19<br>15:15 |
| S242 | 4     | ("2003017502").PN.      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/28<br>15:00 |
| S243 | 2     | JP-2003017502\$-.did.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/28<br>15:01 |
| S244 | 33672 | H01L021/336.ipc.        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/28<br>15:11 |
| S245 | 469   | S244 and third adj gate | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/28<br>15:12 |

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|------|----|---|--|----|----|------------------|
| S246 | 46 | S244 and third adj gate and high\$1voltage  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/28 15:12 |
| S247 | 17 | S244 and third adj gate and high\$1voltage and @ad<"20030221"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/28 15:13 |
| S248 | 52 | S244 and high\$1voltage near4 (TFT OTFT MOSFET MISFET transistor) near4 low\$1voltage and @ad<"20030221"              | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/28 15:19 |
| S249 | 7  | S244 and high\$1voltage near4 (TFT OTFT MOSFET MISFET transistor) and lower near4 upper near4 gate and @ad<"20030221" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/28 16:02 |

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